

ROUTING AND TRANSMITTAL SLIP

Date

TO: (Name, office symbol, room number, building, Agency/Post)		Initials	Date
1.	EO/DDA	<i>AK</i>	18/8
2.	A/DDA	<i>2</i>	23 AUG 1983
3.	DDA	<i>23</i>	23 AUG 1983
4.	Mgt Staff		23 AUG 1983
5.			

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

REMARKS

3-4
 Ensure that the appropriate
 officer receive copies of
 this and prepare a one
 or two liner thanking
 D/D.

DO NOT use this form as a record of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)	Room No.—Bldg.
Cy to D/OAP 8/24/83	
	Phone No.

5041-102

OPTIONAL FORM 41 (Rev. 7-76)

Prescribed by GSA

FPMR (41 CFR) 101-11.6

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ROUTING AND RECORD SHEET

SUBJECT: (Optional)

Research in Support of DDA

FROM:

D/ORD/DDS&T

EXTENSION

NO.

ORD 941-83

DATE

15 May 1983

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1.

DDS&T

✓

✓

✓

2.

3.

Deputy Director
for Administration

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13.

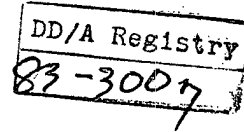
14.

15.

DATA REGISTRY

FILE: 100-24

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ORD-941-83

15 AUG 1983

MEMORANDUM FOR: *Harry* Deputy Director for Administration

VIA : Deputy Director for Science and Technology

FROM : Philip K. Eckman
Director of Research and Development, DDS&T

SUBJECT : Research in Support of DDA

REFERENCE : Briefing on 26 July 1983

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1. I appreciated the opportunity to discuss our research program with you. As a result of that meeting, I feel we have a number of open actions:

- a. Scope the proposed new polygraph
- b. Provide a briefing on Evoked Cortical Potentials
- c. Revisit the off-site data encryption issue
- d. Investigate "Sensormatic" tags
- e. Approach the Comptroller for RECON/Guard funds
- f. Raise the priority of data-communications study
- g. Provide copies of specimen long-range research requirements

Each of these is discussed below. My timetable for each is indicated and my action officer is named.

2. Advances in computers, and signal processing and exploitation techniques augur for a new generation of polygraph. We had originally assumed that procurement would not begin before 1986. However, you indicated a desire to accommodate the procurement in your FY85 program. To support this we will supply an estimated design cost per unit polygraph, and the associated development costs and schedule. [redacted] will provide this information within the month. To facilitate this, we have prepared a draft requirement (attached). [redacted] will coordinate this with the Office of Security and with the Office of Technical Services. Subsequently, we will ask you to reaffirm the requirement.

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SUBJECT: Research in Support of DDA

[REDACTED]

4. ORD will reassess, in conjunction with DDO/IMS and with OS/ISSG, the priority of research on data-encryption. Within our FY-84 program, we planned to study the issue of magnetic-media destruction; work on data encryption would have waited until FY86. [REDACTED] will review this issue, and I expect he will report back quickly. He has been a vocal, persistent champion of data encryption (see Attachment B from his Information Handling Study).

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5. We will investigate the "Sensormatic" product as an alternate technology for tagging documents so their attempted (unauthorized) transport can be detected. [REDACTED] will study this issue and report back within two weeks. If you have any additional data on Sensormatic products, he would be glad to receive it.

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6. We have asked the DDS&T to put forward, at the next Comptroller's meeting, the unfunded RECON/Guard issue. We expect that, as per our discussion, the DDA will support this vigorously. A copy of the request will be provided to your representative in advance of that meeting. I admit to being confused by the erratic history of this shortfall, but I assume we are on the right track now. [REDACTED] of the S&T staff now has the action on this item, together with his opposite member on your staff.

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7. The issue of priorities for study of relevant communications and Local Area Network (LAN) technologies should be resolved by the Comptroller's positive action on RECON/Guard. Otherwise, absent financial relief from the Comptroller, we would have had to forego this year the data-communications study. [REDACTED] will provide an update on our plans for the study subsequent to the Comptroller's meeting.

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8. The DDS&T is anxious to improve continually the process of documenting requirements for research and development. We think of requirements in three categories:

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SUBJECT: Research in Support of DDA

a. Desired procurements which, if not off-the-shelf, may require development and engineering ... and perhaps long range research,

b. desired capabilities which are felt to be beyond the state-of-the-art and which require long-range research,

and, c. technical collection products which, if not now available, may require new systems which, in turn, may generate requirements as (a) and (b) above.

We provided to the S&T Planning Staff specimen "customer requirements" which capture the general, enduring need without overly circumscribing the solution. We will, as in the past, depend upon you and the other Deputy Directors to prioritize these for us. I have attached specimens covering security issues. The first, of type (a) describes two proposed acquisitions -- a new polygraph and a building access control system. The polygraph description should have especial interest as per para 2 above. The second requirement is in the all-important computer security area.

9. I expect that we will be in communication about a number of these issues. If there is something that needs immediate clarification, please call me [redacted]. Thanks again for the opportunity to discuss our research program.

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[redacted]
Philip K. Eckman

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Attachments: As Stated

cc: D/OTS/S&T w/atts. h/w
D/OS/DDA w/atts. h/w
C/IMS/DDO w/atts. h/w
C/ISSG/OS/DDA w/atts. h/w
S&T Planning Staff w/atts. h/w
[redacted] O/DDA, w/atts. h/w
C/SMRD/CTG/ORD/DDS&T wo/atts.
C/ISR/PATG/ORD/DDS&T wo/atts.
[redacted] AMRD/PATG/ORD/DDS&T wo/atts.

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